AMENDMENTS TO THE CLAIMS

1. (currently amended) A method of translating blocked data transferred from a program executing on one of a plurality of computer systems to another of the plurality of computer systems, wherein:
the plurality of computer systems comprises:
a first computer system containing a first program communicating through an API with a first interface system, and
a second computer system containing a second interface system for communicating with the first interface system;
the first computer system and the second computer system are heterogeneous computer systems coupled together over a communications link;
said method comprising:
A) opening a first session from the first program via the API through the first interface system to the second interface system;
B) specifying a first translation for records transmitted over the first session;
C) blocking a first plurality of records into a first block of records;
D) transmitting the first block of records over the first session from a the first one of the plurality of computer systems to a the second one of the plurality of computer systems;
E) unblocking the first block of records into the first plurality of records on the second one of the plurality of computer systems ; and
F) translating each of the first plurality of records in accordance with the translation specified in step (B).

2. (original) The method in claim 1 wherein:
the translating in step (F) is performed in the first interface system.

3. (original) The method in claim 1 wherein:
the translating in step (F) is performed in the second interface system.

1   4.   (original)   The method in claim 1 wherein:

2   each of the first plurality of records comprises a plurality of fields;

3   one of the plurality of fields is an alphanumeric field; and

4   the translating in step (F) comprises:

5   translating each character in the one of the plurality of fields from a first

6   character format to a second character format.

1   5.   (original)   The method in claim 1 wherein:

2   each of the first plurality of records comprises a plurality of fields;

3   one of the plurality of fields is an integer field; and

4   the translating in step (F) for each of the first plurality of records comprises:

5   1)   translating an integer in the one of the plurality of fields from a

6   first integer format to a second integer format.

1   6.   (original)   The method in claim 5 wherein:

2   the translating in substep (1) of step (F) includes changing from a first endian

3   format to a second endian format.

1   7.   (original)   The method in claim 1 wherein:

2   each of the first plurality of records comprises a plurality of fields;

3   one of the plurality of fields is an floating point field;

4   the translating in step (F) for each of the first plurality of records comprises:

5   1)   translating floating point numbers in the one of the plurality of

6   fields from a first floating point format to a second floating point

7   format.

1   8.   (original)   The method in claim 1 wherein:

2   the specifying in step (B) utilizes a file containing a record description.

1   9.   (original)   The method in claim 1 wherein:

2   the specifying in step (B) utilizes a memory area containing a record description.

1   10.   (currently amended)   The method in claim 1 which further comprises:

2   G) opening a second session from the first program via the API through the first

3   interface system to a third interface system in a third computer system

4   coupled to the first computer system;

5   H) specifying a second translation for records transmitted over the second

6   session;

7   I) blocking a second plurality of records into a second block of records;

8   J) transmitting the second block of records over the second session from a̶ the

9   first ~~one of the plurality of~~ computer systems to a the third ~~one of the~~

10   ~~plurality of~~ computer systems ;

11   K) unblocking the second block of records into the second plurality of records on

12   the third ~~one of the plurality of~~ computer systems; and

13   L) translating each of the second plurality of records in accordance with the

14   translation specified in step (H).

1   11.   (currently amended)   A data processing system having software stored in a set of
2   Computer Software Storage Media for translating blocked data transferred from a
3   program executing on one of a plurality of computer systems to another of the
4   plurality of computer systems, wherein:
5   the plurality of computer systems comprises:
6   a first computer system containing a first program communicating through
7   an API with a first interface system, and
8   a second computer system containing a second interface system for
9   communicating with the first interface system;
10   the first computer system and the second computer system are heterogeneous
11   computer systems coupled together over a communications link;
12   said software comprising:
13   A) a set of computer instructions for opening a first session from the first
14   program via the API through the first interface system to the second
15   interface system;
16   B) a set of computer instructions for specifying a first translation for records
17   transmitted over the first session;
18   C) a set of computer instructions for blocking a first plurality of records into a
19   first block of records;
20   D) a set of computer instructions for transmitting the first block of records over
21   the first session from ~~a~~ <u>the</u> first ~~one of the plurality of~~ computer systems
22   to ~~a~~ <u>the</u> second ~~one of the plurality of~~ computer systems;
23   E) a set of computer instructions for unblocking the first block of records into the
24   first plurality of records on the second ~~one of the plurality of~~ computer
25   systems; and
26   F) a set of computer instructions for translating each of the first plurality of
27   records in accordance with the translation specified in set (B).

1   12.   (original)   The software in claim 11 wherein:
2   the translating in set (F) is performed in the first interface system.

1   13.   (original)   The software in claim 11 wherein:
2   the translating in set (F) is performed in the second interface system.

1   14.   (original)   The software in claim 11 wherein:
2   each of the first plurality of records comprises a plurality of fields;
3   one of the plurality of fields is an alphanumeric field; and
4   the translating in set (F) comprises:
5   translating each character in the one of the plurality of fields from a first
6   character format to a second character format.

1   15.   (original)   The software in claim 11 wherein:
2   each of the first plurality of records comprises a plurality of fields;
3   one of the plurality of fields is an integer field; and
4   the translating in set (F) for each of the first plurality of records comprises:
5   1)   a set of computer instructions for translating an integer in the one
6   of the plurality of fields from a first integer format to a second
7   integer format.

1   16.   (original)   The software in claim 15 wherein:
2   the translating in subset (1) of set (F) includes changing from a first endian format
3   to a second endian format.

1   17.   (original)   The software in claim 11 wherein:
2   each of the first plurality of records comprises a plurality of fields;
3   one of the plurality of fields is an floating point field;
4   the translating in set (F) for each of the first plurality of records comprises:
5   1)   a set of computer instructions for translating floating point
6   numbers in the one of the plurality of fields from a first floating
7   point format to a second floating point format.

1   18.   (original)   The software in claim 11 wherein:
2   the specifying in set (B) utilizes a file containing a record description.

1   19.   (original)   The software in claim 11 wherein:
2   the specifying in set (B) utilizes a memory area containing a record description.

1   20.   (currently amended)   The software in claim 11 which further comprises:

2   G) a set of computer instructions for opening a second session from the first

3   program via the API through the first interface system to a third interface

4   system in a third computer system coupled to the first computer system;

5   H) a set of computer instructions for specifying a second translation for records

6   transmitted over the second session;

7   I) a set of computer instructions for blocking a second plurality of records into a

8   second block of records;

9   J) a set of computer instructions for transmitting the second block of records

10   over the second session from a the first one-of-the-plurality-of computer

11   systems to a the third one-of-the-plurality-of- computer systems;

12   K) a set of computer instructions for unblocking the second block of records into

13   the second plurality of records on the third one-of-the-plurality-of

14   computer systems and

15   L) a set of computer instructions for translating each of the second plurality of

16   records in accordance with the translation specified in set (H).

1 21. (currently amended)   A computer readable Non-Volatile Storage Medium

2 encoded with software for translating blocked data transferred from a program

3 executing on one of a plurality of computer systems to another of the plurality of

4 computer systems, wherein:

5 the plurality of computer systems comprises:

6 a first computer system containing a first program communicating through

7 an API with a first interface system, and

8 a second computer system containing a second interface system for

9 communicating with the first interface system;

10 the first computer system and the second computer system are heterogeneous

11 computer systems coupled together over a communications link;

12 said software comprising:

13 A) a set of computer instructions for opening a first session from the first

14 program via the API through the first interface system to the second

15 interface system;

16 B) a set of computer instructions for specifying a first translation for records

17 transmitted over the first session;

18 C) a set of computer instructions for blocking a first plurality of records into a

19 first block of records;

20 D) a set of computer instructions for transmitting the first block of records over

21 the first session from a the first one of the plurality of computer systems

22 to a the second one of the plurality of computer systems;

23 E) a set of computer instructions for unblocking the first block of records into the

24 first plurality of records on the second one of the plurality of computer

25 systems; and

26 F) a set of computer instructions for translating each of the first plurality of

27 records in accordance with the translation specified in set (B).